

ABSTRACT OF THE DISCLOSURE

Air-fuel ratio control apparatus for an engine of automobile for controlling an air-fuel ratio to a desired value includes module (33) for computing a purge ratio (Pr) from a purge quantity (QPRG) and an engine operation state, module (35) for computing a purge air concentration (Pn) from the purge ratio (Pr) and an air-fuel ratio feedback correcting coefficient (CFB), module (36) for computing a purge air concentration correcting coefficient (CPRG) from the purge ratio and the purge air concentration, module (39) for computing a fuel injection quantity (Qf) supplied to the engine (6) from the purge air concentration correcting coefficient, and module (37) for detecting an accelerating state of the automobile. The purge air concentration correcting coefficient is reset to an initial value when the purge air concentration correcting coefficient is not greater than a predetermined value (indicating leanness) and when the acceleration is detected.